

# Tennessee Department of Environment and Conservation Division of Water Resources

William R. Snodgrass Tennessee Tower 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243

### Phase II Stormwater Permit Notice of Intent (NOI)

Phase II Municipal Separate Storm Sewer Systems (MS4)

	RF		

The purpose of this Notice of Intent (NOI) is for a Tennessee city, county, utility district, university or military base to submit the information necessary to obtain coverage under an NPDES permit to discharge stormwater runoff from a Phase II municipal separate storm sewer system.

### INSTRUCTIONS

You must provide the following information to the Division of Water Resources as application material. You may either submit a hard copy of the signed NOI as described in sub-part 2.2.1 of the MS4 Permit, signed in accordance with the signatory requirements of sub-part 6.7 of the permit, and a copy of the NOI, to the address shown in sub-part 1.2 of the permit for the EFO responsible for the county where the facility is located; or you may submit by e-mail, the completed NOI and attachments (such as map and city ordinances) to water.permits@tn.gov.

After completing the questions in each section, list the Best Management Practices (BMPs) that you will implement in each program. Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

After completing the BMP's in each section provide the administrative information to complete those BMP's as explained here:

Primary Contact and Position/Title	The person in your organization serving as the primary contact.
Other Department and Roles	Other departments within your organization involved in the project and how their role is identified.
Other Government Entity and Roles	Identification of other government entities responsible for implementing one or more of the BMP's. Include a copy of the contract or proposed agreement with execution schedule.
Other Institutions and Roles	Identification of partnerships with another MS4 operator or institution (e.g., Chamber of Commerce, environmental interest organizations, civic groups) to achieve the BMP's.
Target Groups (if applicable)	Specific kinds of groups that will be targeted, such as service industries (i.e., carpet cleaning), civic groups, schools, and church groups, etc.

#### PART I - ADMINISTRATIVE INFORMATION Name of Phase II MS4 city, county, stormwater utility district or public institution: City of Lakeland Include a latitude and longitude of a representative location within your boundaries for mapping purposes. Latitude (dd.dddd): -89.73 Longitude (dd.dddd): 35.262 Wyatt Bunker Mayor Responsible Elected Official or Officer Title 38002 10001 Highway 70 TN Lakeland Street Address State Zip Code City

PROGRAM CONTACT	TECHNICAL CONTACT
Emily Harrell	
Name eharreil@lakelandtn.org	Name
Email Address (901) 867-5418	Email Address
Phone Number	Phone Number
Attach an organizational chart that shows the different of	departments involved in stormwater management.
PART II - DESCRIPTION OF STORM SEWER SYSTEM	
ITEM A - AREA SERVED (IN SQUARE MILES)	
For a city, town, university, or utility district university or mi Provide jurisdiction area within current boundaries Provide additional area of urban growth boundary  For a county: Provide total area: Provide area that is unincorporated Provide unincorporated, urbanized area (UA) Indicate by checking the appropriate box if the permit wil No Yes, the entire county (unincorporated) Yes, the non-UA portions, as follows:	23.72 sq miles 0.3066 sq miles
ITEM B - STORM DRAINAGE INFRASTRUCTURE	
Give figures for the following features of stormwater draina government. For a county government, indicate whether the area. Figures for length and number of culverts and catch	ne figures represent the entire county or only the urbanized
For counties: Entire county  Urbanized a	rea only 🛮
Storm Sewers <u>30.2miles</u> (miles or feet)	Open Ditches 64.21miles (miles or feet)
Culverts <u>6</u> Water Quality Treatment Ponds <u>0</u>	Catch Basins 1132

ITEM C - MAPS		
	. A single map may be submitted, as long as the infor mark the applicable check box and attach an explana	
Areas zoned for commercial or industrial activity Municipally owned/operated industrial activities Municipal or County Wastewater Treatment Plants Municipal Vehicle Fleet Maintenance Centers Municipal Power Plants	Military Installations State vocational, technical, college or universities Federal vocational, technical, college or universities City Roads County Roads	
Municipal Airports Municipal Landfills	Streams Topography or General Drainage Patterns	$\boxtimes$

#### ITEM D - IDENTIFYING STREAMS WITH UNAVAILABLE PARAMETERS OF EXCEPTIONAL TENNESSEE WATERS

Using the GIS mapping tool (<a href="http://www.tn.gov/environment/article/wr-water-resources-data-viewer">http://www.tn.gov/environment/article/wr-water-resources-data-viewer</a>) along with the most current 303(d) list (<a href="http://www.tn.gov/environment/article/wr-wq-water-quality-reports-publications">http://www.tn.gov/environment/article/wr-wq-water-quality-reports-publications</a>) published on the division's web site, determine whether stormwater from any part of the MS4 discharges into streams with unavailable parameters (previously referred to as impaired streams) for nutrients, pathogens, siltation, or other parameters related to stormwater runoff from urbanized areas or to streams designated as Exceptional Tennessee Waters and list below. For any waterbody with unavailable parameters or Exceptional Tennessee Waters, indicate the waterbody ID#, name of the waterbody and nature of pollution (cause) or Exceptional status.

WATERBODY ID# AND NAME OF WATERBODY	NATURE OF POLLUTANT (CAUSE) OR EXCEPTIONAL
TN08010209002-0200 Rocky Branch Creek	E-Coli
TN08010209002-0300 Scotts Creek	Flow Alteration
TN08010209002-0400 Oliver Creek	Total Phosphorous, Siltation, E-Coli
TN08010203002-2000 Loosahatchie River	Total Phosphorous, Habitat Alteration, Siltation, E-Coli
TN08010209003-0200 Cypress Creek	Total Phosphorous, Habitat Alteration, Siltation, E-Coli
TN08010209003-1000 Clear Creek	Total Phosphorous, Habitat Alteration, Siltation, E-Coli
TN08010210023-1000 Fletcher Creek	Arsenic, Low DO, Total Phosphorous, Habitat Alteration, E-Coli

If you have additional streams to list, include in a separate attachment.

ITEM E - STATE OR EPA ISSUED TDMLs	
check the appropriate box. A list of EPA-Ap can be found on the division's web site:	

If you have additional streams to list, include in a separate attachment.

#### PART III - EXISTING LEGAL AUTHORITY TO CONTROL STORMWATER DISCHARGES TO MS4

You must review existing adopted and signed ordinances or regulations that are associated with stormwater discharges to your MS4. Attach a copy of ordinances and/or policies that give your MS4 the authority to control stormwater discharges into the MS4 storm sewer system. Ordinances and/or policies that deal with stormwater issues might be found, for example, in conjunction with litter control, prohibition of dumping, clean up of spills, grading/building permits, sewer connection ordinances, erosion prevention and sediment control practices, subdivision regulations or other land use/development ordinances.

### PART IV - SIGNATURE OF RESPONSIBLE CORPORATE OFFICER

This Notice of Intent (NOI) must be signed as follows: For a municipality, state, federal, other public agency, and/or co-permittees by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes one of the following:

- I. The chief executive officer of the agency.
- II. A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrators of EPA).

I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury."

NAT THE	Mayor, City of Lakeland	
Signature	Title/Municipality	Date

### PART V - YOUR PROPOSED STORMWATER QUALITY MANAGEMENT PROGRAM

This NOI requires you to provide a brief description of your current and proposed activities as well as your BMPs for a stormwater management program. The following sections correspond to the six minimum control measures for a Phase II stormwater management program. If another MS4 will be responsible for implementing any or all portions of any or all following six minimum measures, then attach either the interlocutory agreement or the proposed agreement and schedule for adoption. You must still complete this NOI by answering the relevant questions for the six following measures.

For purposes of this NOI, the Public Education and Outreach and Public Participation and Involvement minimum measures have been combined.

### SECTION 1 - PUBLIC EDUCATION AND OUTREACH AND PUBLIC INVOLVEMENT/PARTICIPATION

#### A. Current Activities:

The following is a set of questions on your current Public Education and Outreach and Public Involvement/Participation. These questions are intended to highlight minimum program requirements under the MS4 permit. Each question with a "No" answer must be addressed with a solution in the MS4's proposed program.

1. Does the municipality currently distribute educational materials on the topics of stormwater quality, instream water quality, pollution impacts, pollution prevention, etc.? If yes, briefly describe the materials, including media used (e.g., written brochures, public service announcements, etc.); the topic(s) covered, intended target audience(s), and the distribution method: The City of Lakeland distributes educational materials in the form of brochures, promotional items, public service announcements, and articles. The materials cover a range of topics from general stormwater pollution and prevention, pet waste, recyling, illicit discharge, etc. Most of the public outreach materials are intended for residents and children as the City has very little commercial and no industrial areas. Brochures and promotional items are distributed at City sponsored events throughout the year. The City participates in the TAB (TN Association of Broadcasters) program which funds public service announcements statewide on local radio stations. The City also utilizes its local cable channel 19, City website, City Facebook page and Twitter account to post public service announcements. Articles are submitted to a local newsletter, "Lakeland Currents" highlighting seasonal stormwater topics.

announcements. Articles are submitted to a local newsletter, "Lakeland Currents" highlighting seasonal stormwater topics.
Yes ⊠ No □
2. Does the municipality currently conduct or participate in public outreach activities focusing on the topics of stormwater quality, stream water quality, pollution impacts, pollution prevention, etc.? If yes, briefly describe the outreach activities, topic(s) covered, intended target audience(s), and the frequency of activities: The City operates an Adopt-A-Street Program, in which residents or groups adopt a section of roadway to perform litter pick-up quarterly. Several of the groups perform litter pick-up more frequently. In addition, the City hosts a Community Clean-Up Day which is held twice per year for residents to dispose of household trash,e-waste, construction debris, yard waste, tires and white goods. The City also has a Keep Lakeland Beautiful Board, an affiliate of Keep America Beautiful, which conducts community clean-up activites approximately 6 times a year.
Yes ⊠ No □
3. Does the current municipal stormwater management program comply with Local, State and Federal public notice requirements? If yes, describe how the public is notified: <u>Our notification process is dependent on the type of notice being released</u> . The following is a list of media outlets the City utilizes for public notice: City website, cable Channel 19, various social media avenues, Lakeland Currents newsletter, and newspaper, if needed.
Yes ⊠ No □
B. Proposed Activities:
1. List the BMPs that you will implement in the areas of Public Education and Outreach and Public Participation and

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Involvement. These should be based on a set of priorities that you have identified in the areas of Public Education and Outreach and Public Participation and Involvement. Provide a short descriptive name to the BMP in the left column. In

the right column, more fully describe the BMP.

For Public Participation and Involvement BMPs, you may not desire to dictate the ways in which the public participates or is involved in the stormwater quality management program; in this case, your proposed program should provide a forum and/or a structure which guides and encourages the public in participation. On the other hand, there may be specific ways you do want the public to be involved, based on your program needs. For instance, you may want stream watch groups to be organized. In both cases, your proposed program should describe how you will accomplish this, along with a time schedule.

PROP	PROPOSED BEST MANAGEMENT PRACTICES FOR PUBLIC EDUCATION AND PUBLIC PARTICIPATION		
ВМР	Name	DESCRIPTION	
1A.	Community Clean-up Events	Community clean-up events to minimize various types of waste in local roadside ditches and streams.	
1B.	Community Media Outreach	Distribution of stormwater education materials through various outlets including: City events, local publications, radio, television, City website, social media, etc. The program will target residents, children, developers/contractors, and local businesses.	
1C.	Permanent SCM Classes	Conduct classes to educate both residents and contractors about types of permanent stormwater control measures, installation methods, and maintenance requirements. The focus will be on run-off reduction and pollution prevention for residential and commercial sites.	
1D.	Stream Buffer Improvements	Perform clean-up along stream buffers and replant with native vegetation and trees to increase buffer widths.	

If you have additional BMPs to list, include in a separate attachment.

2. What specific groups will be targeted (e.g., service industries such as carpet cleaning, lawn care, civic groups, schools, church groups) if applicable: Residents, Schools, Homeowners Associations, Restaurants, Auto Mechanic/Oil Change Businesses, Construction Contractors.

#### C. Measurable Goals and Implementation Milestones:

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

### D. Administrative Information:

ADMINISTRATIVE INFORMATION F	OR PUBLIC EDUCATION AND PUBLIC PARTICIPATION
PRIMARY CONTACT	POSITION OR TITLE
Emily Harrell	City Engineer

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
	<u> </u>

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

ENTITY	ВМР
City of Bartlett	Permanent SCM Classes

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

ENTITY		BMP				
					- <u> </u>	W-14-14-14-14-14-14-14-14-14-14-14-14-14-
SECTION	2 - ILLICIT DISCHAR	GE DETECTION	AND ELIM	INATION		
A. <u>Current</u>	Activities					
questions been prev dates iden	iously covered under a	ght minimum prog an MS4 permit, ea I of the permit. Th	ram require ach elemen	ments under the	e MS4 permerformed m	ation Program. These nit. For MS4s who have not ust be implemented by the must be addressed with a
the munici MS4? The into the sto	pal storm sewer syste map must also show:	m discharges into the names and lo ystem, such as th	receiving vocation of when the inlets, ca	waters or convey raters that received tch basins, drop	yances own ve discharge structures	on of system outfalls where ned or operated by another es from those outfalls; inputs or other defined contributing
Yes 🛚	No 🗀					
stormwate		torm sewer syste	m? If yes,	attach a copy ar		ibits unauthorized non- e and section number(s). If
Yes 🖾	No 🗌	Page Number	<u>18-47</u>	Paragraph Nur	mber <u>18-6</u> 0	02
	of a non-stormwater					es, either through a written zed non-stormwater
Yes 🛛	No 🗌					
4. Does the discharges		ory mechanism al	llow right-of	entry on private	e property fo	or inspection of suspected
Yes 🛛	No 🗀					
5. Does the	e ordinance or regulat	ory mechanism pi	rohibit dum	ping?		
Yes ⊠	No 🗌					
	e ordinance or regulat water discharges in the					ity to eliminate unauthorized agraph number.
Yes 🛚	No 🗌	Page Number	<u>18-59</u>	Paragraph Nur	nber <u>18-60</u>	<u>25</u>
	e ordinance or regulat d paragraph number.	ory mechanism de	efine penalt	ies for violations	? If yes, no	ote maximum penalty, page
Yes 🛚	No 🗌	Maximum Penalty	<u>\$5,000</u>	Page Number	<u>18-61</u>	Paragraph Number 18-606
stormwater	e municipality presentl r discharges? If yes, d r inlets annually during	escribe and indica	ate percent	age of system in	spected: Th	

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conducted at all outfalls. 100% of the inlets and outfalls are inspected within the 5 year permit cycle. In addition, the

City has a	a FOG (Fats, Oils, and Gre	ease) program to inspect grease traps at food service businesses to prevent sewer
overflows	. The Code Compliance of	officer also follows up on dumping and property maintenance violations.
Yes 🛛	No 🗌	
discharge written no daily after may be re	e ordinance? If yes, descriptice will be issued requiring 48 hours if the violation recevoked. The City Inspecto	have procedures and personnel in place for enforcement of violations of the illicit libe: A verbal warning will be issued initially. If the violation is not corrected a geompliance within 48 hours. Civil and Administrative Penalties are assessed emains. After 10 days a Stop Work Order is issued and the permit (if applicable) or is responsible for all site inspections and enforcement actions with the exception andled by the City Engineer.
Yes ⊠	No 🗌	
		ons are documented: All enforcement actions are documented in a database. the violator via certified mail.
describe a "hot spots septic sys	and provide a map of illicit s" within its GIS system. T	ot spots" for non-stormwater discharge screening and inspection purposes? If yes, discharge screening hot spots: The City has identified areas which are potential these areas include restaurants, automotive repair/oil change businesses, and are performed at these locations. If an illicit discharge is observed at a facility, the ation will increase.
Yes 🛛	No 🗌	
about nor departme discharge hazardous be notified	n-stormwater discharges the ents, personnel, steps follower. If the material is hazardown, the City will perform an i	have procedures in place to receive and consider information and complaints nat are submitted by the public? If yes, provide brief description: responsible wed: The City Engineer recieves all reports of spills which could result in an illicit ous, emergency services are notified immediately. If the material is non-inspection within 24 hours. The City will attempt to determine a source which will required actions. If a source can not be determined, the City may perform the
Yes 🏻	No 🗌	
B. <u>Propos</u>	sed Activities:	
based on short desc	a set of priorities that you criptive name to the BMP i	nent in the area of Illicit Discharge Detection and Elimination. These should be have identified in the area of Illicit Discharge Detection and Elimination. Provide a name the test column and more description in the right column.
		T PRACTICES FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION
	Name	DESCRIPTION
	Illicit Discharge Detection	Utilize both analytical monitoring and visual inspection techniques to detect illicit discharges. Stormwater inlets and outfalls will be visually inspected. Stream segments with unavailable paramenters will be monitored according to the

If you have additional BMPs to list, include in a separate attachment.

2. What specific groups will be targeted, if applicable? Septic System Owners, Restaurants, Auto Mechanic/Oil Change Businesses, Contractors

analytical monitoring plan.

#### C. Measurable Goals and Implementation Milestones

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

Distribute educational material to potential "hot spots"

Conduct clean-up events to prevent illicit discharges

Monitor potential "hot spots" for illicit discharges.

2B.

2C

2D.

Illicit Discharge

Illicit Discharge Prevention

Hot Spot Monitoring

Outreach

### D. Administrative Information

ADMINISTRATIVE INFO	RMATION FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION
PRIMARY CONTACT	POSITION OR TITLE
Emily Harrell	City Engineer
	(s) that will be involved and their role.
OTHER DEPARTMENT	S) ROLE
	with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, panizations, civic groups) in order to carry out the chosen BMPs.
ENTITY	BMP
and which BMP(s) it will in with execution schedule.	entity be responsible for implementing one or more chosen BMPs? If so, identify the entity nplement. Include a copy of the interlocutory agreement, or contract, or proposed agreement
ENTITY	BMP
SECTION RECONSTRI	CTION SITE STORMWATER RUNOFF PROGRAM
A. Current Activities	
intended to highlight minin covered under an MS4 pe	destions on your current Construction Site Stormwater Runoff Program. These questions are num program requirements under the MS4 permit. For MS4s who have not been previously rmit, each element not currently performed must be implemented by the dates identified in it. Thus, each question with a "No" answer must be addressed with a solution in the MS4's
and Federal public notice dependent on the type of i	es/regulations for the municipal stormwater management program comply with Local, State requirements? If yes, describe how the public is notified: Our notification process is notice being released. The following is a list of media outlets the City utilizes for public Channel 19, various social media avenues, Lakeland Currents newsletter, and newspaper.
if needed	Chairmon 10, various sosiar mosas avoltass, Eakislana Carronto newscatton and newspaper.
Yes ⊠ No □	
	n erosion prevention and sediment control - or similar - ordinance or regulatory mechanism? reference the paragraph number(s). If No, proceed to the next set of questions below about iew.
Yes ⊠ No □	Page Number 18-50 Paragraph Number 18-603
	egulatory mechanism require that site operators implement erosion prevention, sediment stion waste controls for land disturbance activities?
Yes ⊠ No □	

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4. Does the ordination or equal to ordisturb one acre of	ne acre, or less	than one acre if	part of a lar	ge common p	plan of de	evelopment	t or sale that w	
Yes ⊠ No 🗆	]	Page Number	<u>18-50</u>	Paragraph N	lumber	18-603(1)		
5. Does the ordina control? If yes, no							rosion and sed	iment
Yes ⊠ No □	]	Page Number	<u>18-51</u>	Paragraph N	lumber	18-603(2)		
6. Do those techn (TNR100000) req Exceptional Tenn	uirements for de							
Yes ⊠	No 🗌							
7. Do those techn during constructio		quire that const	ruction activ	/ities maintair	n tempora	ary water q	uality riparian t	uffers
Yes ⊠	No 🗌							
8. Does the munic department, zonin runoff?								
Yes ⊠	No 🗌							
9. Does the techni	ical review proce	ss require an er	osion preve	ention and sec	diment co	ontrol plan	with appropriat	e BMPs?
Yes ⊠	No 🗌							
10. Does the revie developer, for prior			t for pre-co	nstruction me	eting bet	ween the n	nunicipality and	l site
Yes ⊠	No 🗌							
11. If there is a revresponsible persoreviewed by the Cas CPESC. Reviews Inspector, TDEC Lapproved/signed by	nnel, and criteria ity Engineer whice w is based on er evel I & II Certifi	used for evalua ch is a licensed ngineering princ ed, also perform	ation of infor professiona ipals as wel ns a review	mation or pla I engineer wit Il as TDEC gu of the constru	ns that a th a TDE uidelines	re submitte C Level I & and regula	ed: <u>All plans are</u> . I <mark>l Certification</mark> tions. The Che	as well
12. Does the municomplaints submit			es in place t	for receipt an	d conside	eration of ir	nformation and	
Yes 🛛	No 🗌							
If yes, provide a bi departments, pers can not be met, ar	onnel (by title).	The City Engine	er receives	all complaints	s submitt	ed by the p	oublic. If a reso	lution
13. Does the muni	icipality presently	have personne	l and proce	dures in place	e for con	struction sit	te runoff inspec	tion?
Yes ⊠	No 🗌							
14. Does the progr	ram provide for p	re-construction	meeting an	d monthly ins	pection o	of priority co	onstruction acti	vities?
Yes 🛛	No 🗌							

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	nicipality presently have procedures and personnel in place for enforcement to the maximum extend construction site requirements?
Yes 🛛	No 🗌
16. Does the mun	nicipality use a Stop Work or similar order to enforce compliance with construction site policies and
Yes ⊠	No 🗆
	rcement actions documented? All enforcement actions are documented in a database. Notice of o sent to the violator via certified mail.
Fundamentals of	spectors who conduct inspections of construction sites received certification under the Tennessee Erosion Prevention and Sediment Control, Level 1, and construction site plan reviewers a certificate in the Tennessee Erosion Prevention and Sediment Control Design Course, Level 2?
Yes 🛛	No 🗌
B. <u>Proposed Activ</u>	<u>rities</u> :

1. List the BMPs that you will implement in the area of Construction Site Runoff Program. These should be based on a set of priorities that you have identified in the area of Construction Site Runoff Program. Provide a short descriptive name to the BMP in the left column and more description in the right column.

BMP	Name	DESCRIPTION
3A.	Construction Outreach	Distribute educational information to contractors regarding prevention of construction site runoff through materials and classes.
3B.	Construction Inspection	Preform inspections of construction sites to ensure erosion control measures are installed properly and maintained regularly. Erosion control measures will also be evaluated for effectiveness. If determined not effective the measure will be enhanced or replaced.
3C.	Continuing Education	Personnel involved in plan review and/or site inspection will pursue continuing education to stay abreast of stormwater regulations and best management practices.
3D.	Plan Review	Plan review will be conducted on all new development, redevelopment, and building permits to ensure compliance with stormwater regulations and best management practices.

If you have additional BMPs to list, include in a separate attachment.

- 2. Describe specific groups that will be targeted, if applicable: Developers, Contractors, City Personnel
- C. Measurable Goals and Implementation Milestones

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

#### D. Administrative Information

ADMINISTRATIVE INFO	RMATION FOR CONSTRUCTION SITE RUNOFF PROGRAM
PRIMARY CONTACT	POSITION OR TITLE
Emily Harrell	City Engineer

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
Construction Inspection	Distribute information to contractors, perform inspections of sites, plan/permit review, continuing education

Administra	ation	Appeals				_
		ith another MS4 Opera			g. Chamber of Commerce, BMPs.	_
ENTITY		ВМР				
			····			_
and which I					sen BMPs? If so, identify the entity or contract, or proposed agreemen	t
ENTITY	I	BMP				
						-
				der AS State Process and Association Association and Association A		
SECTION	PERMANEN	STORMWATERMA	NAGEMENI	AT NEW DEVELOR	MENT AND REDEVELOPMENT	
A. Current /	Activities:					
Redevelopr permit. For must be imp	nent Program. T MS4s who have plemented by the	hese questions are intended in the not been previously c	tended to hi overed und b-part 4.1.1	ghlight minimum prog er an MS4 permit, eac of the permit. Thus,	ment in New Development and gram requirements under the MS4 ch element not currently performed each question with a "No" answer	
manageme For example	nt from new deve e, land use plant	elopment or redevelop	ment projective	ets that result in land ones, site-based polluta	ss permanent stormwater runoff disturbance of one acre or more? nt removal controls; stormwater	
Yes ⊠	No 🗌					
strategies ir personnel (I to address r water quant environmen standards. The minimu required. O	nplemented, Bespoy title): The Cit permanent storm ity and quality, et t. Pollution prev Additionally, Sec m buffer width is ther sections in	st Management Praction  y's Land Development  water runoff manager  encouraging the integrate  rention, infiltration, and  ction 12 Streamside Managen  5 50ft although depend	ces allowed tegulation ment. Section of storation of storation of storation anagement ling on drains reference	technical guidance, s Chapter III Zoning I on 7 Stormwater Man mwater management on of the natural envir Buffers outlines requage area or pollution stormwater runoff ma	uctural strategies, describing responsible departments, and Regulations provide a mechanism agement Practices address both with the design of the built onment are goals of these irements for streamside buffers. hazards additional buffer may be an agement as well. The City oning Regulations.	
managemer	nt from new deve		pment proje	ects? If yes, referenc	rmanent stormwater runoff e the page number and paragraph plans review.	
Yes ⊠	No 🗌	Page Number	<u>288</u>	Paragraph Number	<u>A-C</u>	
3. Does the	ordinance or reg er and paragraph	gulatory mechanism re		• .	in stormwater runoff? If yes, note	
Yes 🗌	No 🖾	Page Number		Paragraph Number		

new develo that are par	pment or redevelopme	ent projects grea	iter than or i	equal to one acre, inc	t controls be implemented for any cluding projects less than one acre our small MS4? If yes, note page
Yes 🗌	No 🖾	Page Number		Paragraph Number	-40-01-01-01-01-01-01-01
	ordinance or regulato age number and parag		ontain or re	ference technical star	ndards for water quality controls? If
Yes 🗌	No 🖾	Page Number		Paragraph Number	MANISTRATION
					ittal -who must submit - of e number and paragraph number.
Yes 🛚	No 🗌	Page Number	<u>23</u>	Paragraph Number	<u>D.4.d.1.</u>
	ordinance or regulato nt controls? If yes, no				ion of permanent stormwater
Yes ⊠	No 🗌	Page Number	<u>26</u>	Paragraph Number	<u>6.c.</u>
	or plans if site plans c				stormwater management design If yes, note page number and
Yes 🛛	No 🗌	Page Number	<u>26</u>	Paragraph Number	6.c.
					authority to penalize the owner of ber and paragraph number.
Yes 🛛	No 🗀	Page Number	<u>18-59</u>	Paragraph Number	<u>18-605</u>
adequate ai		and maintenan	ce? If yes,	note page number ar	er management controls have nd paragraph number. If no, lent controls:
Yes 🛛	No 🗌	Page Number	<u>18-55</u>	Paragraph Number	<u>18-604</u>
	e ordinance or regulate eas of new developme			blishment and mainte	enance of water quality riparian
Yes ⊠	No 🗌				
department,		aluates new dev	elopment a		ngineering department, planning th regard to the impact that
Yes 🛛	No 🗌				
personnel (b submitted: <u>]</u> elements of Review Con	oy department, title and he City's Technical Ro proposed developmen nmittee are submitted	d contact persor eview Committe nts including per to the Municipal	n), and criter e, which cor manent stor Planning C	ia used for evaluation is ists of the City Plant mwater runoff. Recommission for Final A	e process steps, responsible in of information or plans that are iner and City Engineer, reviews all immendations from the Technical Approval of the Preliminary Plat or is for these developments.

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B. Proposed Activities:

List the BMPs that you will implement in the area of the Permanent Stormwater Management Plans Review. These should be based on a set of priorities that you have identified in the area of the Permanent Stormwater Management Plans Review. Provide a short descriptive name to the BMP in the left column and more description in the right column.

PROPO	PROPOSED BEST MANAGEMENT PRACTICES FOR PERMANENT STORMWATER PLANS REVIEW					
BMP	Name	DESCRIPTION				
4A.	SCM Program	Develop permanent stormwater management program				
4B.	Plan Review	Review all new development and redevelopment for adequate permanent stormwater control measures				
4C.	Permanent SCM Inspection	Perform inspections of permanent stormwater control measures during and after construction.				
4D.	Permanent SCM Outreach	Educate developers, engineers, and residents about permanent stormwater control measures and State/City regulations of such measures.				

If you have additional BMPs to list, include in a separate attachment.

Describe the specific groups that will be targeted, if applicable? <u>Developers, Engineers, Residents</u>

#### C. Measurable Goals and Implementation Milestones:

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

#### D. Administrative Information:

ADMINISTRATIVE INFO	RMATION FOR PERMANENT STORMWATER MANAGEMENT PLANS REVIEW
PRIMARY CONTACT	POSITION OR TITLE
Emily Harrell	City Engineer

Identify other Department(s) that will be involved and their role.

OTHER DEPARTMENT(S)	ROLE
Planning	Plan review
Construction Inspection	Plan review, inspection
Administration	Plan review, appeals

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

ENTITY	BMP

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

LIAIILL DE	BMP

### SECTION 5 - POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

#### A. Current Activities:

The following is a set of questions on your current Pollution Prevention/Good Housekeeping for Municipal Operations Program. These questions are intended to highlight minimum program requirements under the MS4 permit. Each question with a "No" answer must be addressed with a solution in the MS4's proposed program.

employees respo generate and/or s materials may inc	nsible for muni- store materials slude, but are n	cipal operations at facilitie which constitute a potenti	od Housekeeping program provide annual training for se within the jurisdiction of the permittee that handle, al pollutant of concern for MS4s? Examples of these els, sand, gravel, soil, salt, pesticide, fertilizer, garbage,
Yes ⊠	No 🗌		
2. Are training act by sign-in sheet.	tivities docume	nted? If yes, describe tra	ining and method of record-keeping: <u>Training is documented</u>
Yes ⊠	No 🗌		
	icipal industrial		alti-Sector General Permit or a no-exposure certification for ermit numbers or attach copies of the No-Exposure
Yes ⊠	No 🗌	Permit Numbers(s)	TN007
4   1   1   2   2   2   2   2   2   2   2			al far and an instinct at a manufacture manest across an the following

4. List municipal operations or facilities that have a potential for contaminating stormwater runoff such as the following: streets, roads, highways, municipal parking lots, maintenance and storage yards, fleet or maintenance shops with outdoor storage areas, salt/sand storage locations, snow disposal areas operated by the MS4, and waste disposal, storage, and transfer stations. If there is more than one facility for a given type of operation; give the number of such facilities. Indicate if an operation and maintenance plan, which includes maintenance activities, schedules and the proper disposal of waste from related structural and non-structural stormwater controls, has been implemented for each facility or operation.

FACILITY OR TYPE OF OPERATION	NUMBER OF FACILITIES	OPERATION AND MAINTENANCE PLAN IMPLEMENTED?
Roads	80 miles	Yes ⊠ No 🗌
Municipal Parking Lots	5	Yes ⊠ No 🗌
Public Works Facility	1	Yes ⊠ No 🗌
		Yes 🗌 No 🗌
		Yes 🗌 No 🗌
		Yes ☐ No ☐
		Yes 🗌 No 🗌

#### **B. Proposed Activities:**

List the BMPs that you will implement in the area of the Pollution Prevention and Good Housekeeping Program. These should be based on a set of priorities that you have identified in the area of the Pollution Prevention and Good Housekeeping Program. Provide a short descriptive name to the BMP in the left column and more description in the right column.

In addition to considering industrial-type operations, you must also consider municipal infrastructure, and related maintenance activities, maintenance schedules and long-term inspection procedures for structural controls and the proper disposal of waste from storm sewers/catch basins.

PROP	PROPOSED BEST MANAGEMENT PRACTICES FOR POLLUTION PREVENTION AND HOUSEKEEPING		
BMP	Name	DESCRIPTION	
5A.	Employee Training	Conduct training for new and existing employees.	
5B.	Facility Inspection	Perform inspections of municipal facilities	
5C.			
5D.			

If you have additional BMPs to list, include in a separate attachment.

Provide specific groups that will be targeted, if applicable: City Personnel, Contractors

### C. Measurable Goals and Implementation Milestones:

Attached at the end of this NOI is an addendum to list BMP Measurable Goals and Implementation Milestones. You must complete the addendum, providing more details on the goals and milestones for each BMP outlined in this NOI.

#### D. Administrative Information:

ADMINISTRATIVE INFORMATION FOR POLLUTION PREVENTION AND HOUSEKEEPING		
PRIMARY CONTACT	POSITION OR TITLE	
Emily Harrell	City Engineer	

Identify other Department(s) that will be involved and their role.

OTHER	ROLE
DEPARTMENT(S)	ROLE
Public Works	Inspection and training
Parks and Recreation	Inspection and training

Identify if you will partner with another MS4 Operator, or with another institution (e.g. Chamber of Commerce, Environmental interest organizations, civic groups) in order to carry out the chosen BMPs.

ENTITY	BMP

Will another governmental entity be responsible for implementing one or more chosen BMPs? If so, identify the entity and which BMP(s) it will implement. Include a copy of the interlocutory agreement, or contract, or proposed agreement with execution schedule.

ENTITY	ВМР

### ADDENDUM TO SMALL MS4 NPDES PERMIT NOI - BMPs MEASURABLE GOALS AND MILESTONES

The purpose of this addendum is to record the measurable goals for each BMP, and the dates (month and year) by which interim actions are to be accomplished. Space is given for four BMPs for each of the six minimum measures. If necessary, attach additional BMP MEASURABLE GOALS AND MILESTONES as a separate attachment.

Measurable goals are BMP design objectives, or goals that will quantify the progress of implementing the actions or performance of a BMP. They are ways to measure activities or effects of a BMP. For each of the six minimum measures and for each BMP, define the measurable goal you will use to monitor effectiveness of this BMP. The BMPs you list here should match exactly those given in Part V., 1-5 of this NOI. For purposes of this NOI, the Public Education and Outreach and Public Involvement/Participation minimum measures have been combined.

For each BMP, establish milestones for implementation. These tables are set up for once/year milestones. You may change the milestone dates to time frames less than one year.

BEST MANAGEMENT P	RACTICES FOR PUBLIC EDUCATION AND PUBLIC PARTICIPATION
BMP1A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Minimize various types of waste in local roadside ditches and streams
Milestone Year 1	Adopt a Road Program - 4/year/location
	Community Clean-up Day - 2/year
	Keep Lakeland Beautiful Clean-up Events - 6/year
Milestone Year 2	Adopt a Road Program - 4/year/location
	Community Clean-up Day - 2/year
	Keep Lakeland Beautiful Clean-up Events - 6/year
Milestone Year 3	Adopt a Road Program - 4/year/location
	Community Clean-up Day - 2/year
	Keep Lakeland Beautiful Clean-up Events - 6/year
Milestone Year 4	Adopt a Road Program - 4/year/location
	Community Clean-up Day - 2/year
	Keep Lakeland Beautiful Clean-up Events - 6/year
Milestone Year 5	Adopt a Road Program - 4/year/location
	Community Clean-up Day - 2/year
	Keep Lakeland Beautiful Clean-up Events - 6/year
BMP1B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Distribute of stormwater education materials through various outlets including: City
	events, local publications, radio, television, City website, social media, etc. targeting
	residents, children, developers/contractors, and local businesses.
Milestone Year 1	Participate in City sponsored events
	Participate in TN Assoc. of Broadcasters (TAB) Program
	Distribute new resident packets
	Submit articles to local newsletter
	Post seasonal tips on local cable channel, website and social media outlets
T	Include material with contruction related permit applications.
Milestone Year 2	Participate in City sponsored events
	Participate in TN Assoc. of Broadcasters (TAB) Program
	Distribute new resident packets
	Submit articles to local newsletter
	Post seasonal tips on local cable channel, website and social media outlets
	Include material with contruction related permit applications.
Milestone Year 3	Participate in City sponsored events
	Participate in TN Assoc. of Broadcasters (TAB) Program
	Distribute new resident packets
	Submit articles to local newsletter
	Post seasonal tips on local cable channel, website and social media outlets
	Include material with contruction related permit applications.
Milestone Year 4	Participate in City sponsored events
	Participate in TN Assoc. of Broadcasters (TAB) Program

	Distribute new resident packets Submit articles to local newsletter Post seasonal tips on local cable channel, website and social media outlets Include material with contruction related permit applications.
Milestone Year 5	Participate in City sponsored events Participate in TN Assoc. of Broadcasters (TAB) Program Distribute new resident packets Submit articles to local newsletter Post seasonal tips on local cable channel, website and social media outlets Include material with contruction related permit applications.

BMP1C	MEASURABLE GOALS AND MILESTONES
Goal(s)	Educate residents and contractors about types of permanent stormwater control measures, installation methods, and maintenance requirements focusing on run-off reduction and pollution prevention for residential and commercial sites.
Milestone Year 1	Host a TN Smart Yards Class with City of Bartlett Develop a post construction run-off reduction presentation for developers/contractors
Milestone Year 2	Host a TN Smart Yards Class with City of Bartlett Host a post construction run-off reduction class for developers/contractors
Milestone Year 3	Host a TN Smart Yards Class with City of Bartlett Host a post construction run-off reduction class for developers/contractors
Milestone Year 4	Host a TN Smart Yards Class with City of Bartlett Host a post construction run-off reduction class for developers/contractors
Milestone Year 5	Host a TN Smart Yards Class with City of Bartlett Host a post construction run-off reduction class for developers/contractors
BMP 1D	MEASURABLE GOALS AND MILESTONES
Goal(s)	Clean-up along stream buffers and replant with native vegetation and trees to increase buffer widths.
Milestone Year 1	Sponsor stream clean up and planting event
Milestone Year 2	Sponsor stream clean up and planting event
Milestone Year 3	Sponsor stream clean up and planting event
Milestone Year 4	Sponsor stream clean up and planting event
Milestone Year 5	Sponsor stream clean up and planting event

	T PRACTICES FOR ILLICIT DISCHARGE DETECTION AND ELIMINATION	
BMP 2A	MEASURABLE GOALS AND MILESTONES	
Goal(s)	Detect illicit discharges	
Milestone Year 1	Inspect 1/5 of all storm sewer inlets	
Milestone Year 2	Inspect 1/5 of all storm sewer inlets Conduct Visual Stream Assessment	
Milestone Year 3	Inspect 1/5 of all storm sewer inlets	
Milestone Year 4	Inspect 1/5 of all storm sewer inlets	
Milestone Year 5	Inspect 1/5 of all storm sewer inlets	
BMP 2B	MEASURABLE GOALS AND MILESTONES	
Goal(s)	Distribute educational material to potential "hot spots"	
Milestone Year 1	Develop educational material for septic system owners, restaurants, and automotive repair/oil change businesses	
Milestone Year 2	Distribute educational material to septic system owners	
Milestone Year 3	Distribute educational material to restaurants	
Milestone Year 4	Distribute educational material to automotive repair/oil change businesses	
Milestone Year 5	Distribute educational material to septic system owners	

BMP 2C	MEASURABLE GOALS AND MILESTONES
Goal(s)	Montor "hot spot" locations for potential illicit discharges
Milestone Year 1	Inspect all "hot spot" locations

Milestone Year 2	Inspect all "hot spot" locations
Milestone Year 3	Inspect all "hot spot" locations
Milestone Year 4	Inspect all "hot spot" locations
Milestone Year 5	Inspect all "hot spot" locations
BMP 2D	MEASURABLE GOALS AND MILESTONES
Goal(s)	Prevent illicit discharges
Milestone Year 1	Host Community Clean Up Day events (Spring/Fall) Facilitate Adopt a Road Program
Milestone Year 2	Host Community Clean Up Day events (Spring/Fall) Facilitate Adopt a Road Program
Milestone Year 3	Host Community Clean Up Day events (Spring/Fall) Facilitate Adopt a Road Program
Milestone Year 4	Host Community Clean Up Day events (Spring/Fall) Facilitate Adopt a Road Program
Milestone Year 5	Host Community Clean Up Day events (Spring/Fall) Facilitate Adopt a Road Program

BEST MANAGEMEN	T PRACTICES FOR CONSTRUCTION SITE RUNOFF PROGRAM
BMP 3A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Educate contractors regarding prevention of construction site runoff
Milestone Year 1	Develop contractor education program
Milestone Year 2	Include educational materials with permits Conduct best management classes with Contractors
Milestone Year 3	Include educational materials with permits
Milestone Year 4	Include educational materials with permits  Conduct best management classes with Contractors
Milestone Year 5	Include educational materials with permits
BMP 3B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Ensure erosion control measures are installed properly and maintained regularly
Milestone Year 1	Inspect construction sites
Milestone Year 2	Inspect construction sites
Milestone Year 3	Inspect construction sites
Milestone Year 4	Inspect construction sites
Milestone Year 5	Inspect construction sites

BMP 3C	MEASURABLE GOALS AND MILESTONES	
Goal(s)	Continuing education on new stormwater regulations and best management practices.	
Milestone Year 1	Attend continuing education classes	
Milestone Year 2	Attend continuing education classes	
Milestone Year 3	Attend continuing education classes	
Milestone Year 4	Attend continuing education classes	
Milestone Year 5	Attend continuing education classes	
BMP 3D	MEASURABLE GOALS AND MILESTONES	
Goal(s)	Ensure compliance with stormwater regulations and best management practices.	
Milestone Year 1	Review all new development and redevelopment construction plans	
Milestone Year 2	Review all new development and redevelopment construction plans	
Milestone Year 3	Review all new development and redevelopment construction plans	
Milestone Year 4	Review all new development and redevelopment construction plans	
Milestone Year 5	Review all new development and redevelopment construction plans	

BEST MANAGEMENT PI MANAGEMENT PROGR	RACTICES FOR PERMANEN RAM	NT (POST-CONSTRI	JCTION) STORMWA	TER
BMP4A	MEASURABLE GOALS AN	D MILESTONES		

Goal(s)	Develop permanent stormwater management program
Milestone Year 1	Develop permanent stormwater management program
	Educate City personnel and Engineers on program elements
Milestone Year 2	Implement permanent stormwater management program
Milestone Year 3	Implement permanent stormwater management program
Milestone Year 4	Implement permanent stormwater management program
Milestone Year 5	Implement permanent stormwater management program
BMP 4B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Review all new development and redevelopment for adequate permanent stormwater
	control measures
Milestone Year 1	Plan review
Milestone Year 2	Plan review
Milestone Year 3	Plan review
Milestone Year 4	Plan review
Milestone Year 5	Plan review

BMP4C	MEASURABLE GOALS AND MILESTONES	
Goal(s)	Inspect permanent stormwater control measures during and after construction.	
Milestone Year 1	Perform site inspection	
Milestone Year 2	Perform site inspection	
Milestone Year 3	Perform site inspection	
Milestone Year 4	Perform site inspection	
Milestone Year 5	Perform site inspection	
BMP 4D	MEASURABLE GOALS AND MILESTONES	
Goal(s)	Educate developers, engineers, and residents about permanent stormwater control measures and State/City regulations of such measures.	
Milestone Year 1	Develop education materials	
Milestone Year 2	Distribute materials Conduct classes on design, installation and maintenance	
Milestone Year 3	Distribute materials Conduct classes on design, installation and maintenance	
Milestone Year 4	Distribute materials Conduct classes on design, installation and maintenance	
Milestone Year 5	Distribute materials Conduct classes on design, installation and maintenance	

BMP 5A	MEASURABLE GOALS AND MILESTONES
Goal(s)	Educate employees on stormwater pollution prevention.
Milestone Year 1	New empolyee training
Milestone Year 2	New empolyee training
Milestone Year 3	New & existing empolyee training
Milestone Year 4	New empolyee training
Milestone Year 5	New empolyee training
BMP 5B	MEASURABLE GOALS AND MILESTONES
Goal(s)	Maintain good housekeeping practices
Milestone Year 1	Inspect municipal facilities
Milestone Year 2	Inspect municipal facilities
Milestone Year 3	Inspect municipal facilities
Milestone Year 4	Inspect municipal facilities
Milestone Year 5	Inspect municipal facilities

BMP 5C	MEASURABLE GOALS AND MILESTONES
Goal(s)	
Milestone Year 1	
Milestone Year 2	
Milestone Year 3	
Milestone Year 4	
Milestone Year 5	
BMP 5D	MEASURABLE GOALS AND MILESTONES
Goal(s)	
Milestone Year 1	
Milestone Year 2	
Milestone Year 3	
Milestone Year 4	
Milestone Year 5	